Contents of Volume 21

Call for submission of manuscripts

Andréfouët S, Riegl B: Special Issue of Coral Reefs, on Remote Sensing of Coral Reefs 433

Larcombe P → Perry C

Perry C, Larcombe P: Special Issue of Coral Reefs, on Marginal and Non Reef-Building Coral Environment 324

Riegl B → Andréfouët S

Special Issue on Environmental and Climatic Proxies in Reef Organisms 24

Discussions

Atkinson MJ → Hearn CJ Black KP → Symonds G

Falter JL → Hearn CJ

Hearn CJ, Atkinson MJ, Falter JL: Response to the comment by G. Symonds, K.P. Black, and I.R. Young on "A physical derivation of nutrient-uptake rates in coral reefs: effects of roughness and waves" 319

Symonds G, Black KP, Young IR: A comment on "A physical derivation of nutrientuptake rates in coral reefs: effects of roughness and waves" by C.J. Hearn, M.J. Atkinson, and J.L. Falter 317

Young IR → Symonds G

Editorial

Buddemeier RW, Fautin DG: Social behavior in a research society Fautin DG → Buddemeier RW

Erratum

Isobe M → Kraines SB Komiyama H → Kraines SB Kraines SB, Isobe M, Komiyama H: Seasonal variations in the exchange of water and water-borne particles at Majuro Atoll, the Republic of the Marshall Islands 12

Bohnsack JA → Miller MW Bourque AS - Miller MW Carriquiry JD → Reyes-Bonilla H Chiappone M, Swanson DW, Miller SL, Smith SG: Large-scale surveys on the Florida Reef Tract indicate poor recovery of the long-spined sea urchin Diadema antillarum 155

Crabbe MJC, Smith DJ: Comparison of two reef sites in the Wakatobi Marine National Park (SE Sulawesi, Indonesia) using digital image analysis

Cupul-Magaña AL → Reyes-Bonilla H DeMeo K → Wilcox TP

Edmunds PJ, Gates RD: Normalizing physiological data for scleractinian corals 193 Fautin DG → Randall JE

Gates RD → Edmunds PJ

Hill M → Wilcox TP

Knowlton N → Toller WW

Leyte-Morales GE → Reyes-Bonilla H Miller MW, Bourque AS, Bohnsack JA: An

analysis of the loss of acroporid corals at Looe Key, Florida, USA: 1983-2000

Miller SL → Chiappone M Randall JE, Fautin DG: Fishes other than anemonefishes that associate with sea

anemones 188 Reyes-Bonilla H, Carriquiry JD, Leyte-Morales GE, Cupul-Magaña AL: Effects of the El Niño-Southern Oscillation and the anti-El Niño event (1997-1999) on coral reefs of the western coast of México 368

Rowan R → Toller WW Smith DJ → Crabbe MJC

Smith SG → Chiappone M

Swanson DW → Chiappone M

Toller WW, Rowan R, Knowlton N: Genetic evidence for a protozoan (phylum Apicomplexa) associated with corals of the Montastraea annularis species com-

Wilcox TP, Hill M, DeMeo K: Observations on a new two-sponge symbiosis from the Florida Keys 198

Zeller DC: Tidal current orientation of Plectropomus leopardus (Serranidae)

Overview

Buddemeier RW, Fautin DG: Large-scale dynamics: the state of the science, the state of the reef, and the research issues 1

Fautin DG → Buddemeier RW

Reef sites

Aronson RB → Precht WF

Baird AH → Guest JR

Bak RPM → Vermeij MJA Ben-Shaprut O → Wielgus J

Bruckner AW → Precht WF

Bruckner RJ → Precht WF

Chadwick-Furman NE → Wielgus J

Chou LM → Todd PA

Chou LM → Todd PA Chou LM → Guest JR

Craig PC: Slow-moving waves of polyp retraction traverse Porites lobata

mounds 373 Glassom D → Wielgus J

Goh BPL → Guest JR

Guest JR, Baird AH, Goh BPL, Chou LM: Multispecific, synchronous coral

spawning in Singapore 422

Hayashibara T, Shimoike K: Cryptic species of Acropora digitifera 224

Lirman D, Manzello D, Maciá S: Back from the dead: the resilience of Siderastrea radians to severe stress 291

Lobban C: Ciliate-Symbiodinium symbiosis spotted on reefs 332

Loch K → Schuhmacher H Loch W → Schuhmacher H

Maciá S → Lirman D

Manzello D → Lirman D

Maypa AP → Raymundo LJ

Mebs D → Schaft D Nojima S → Tsuchiya M

Precht WF, Bruckner AW, Aronson RB, Bruckner RJ: Endangered acroporid corals of the Caribbean 41

Purcell SW: Intertidal reefs under extreme tidal flux in Buccaneer Archipelago, Western Australia 191

Raghukumar C -> Ravindran J Ravindran J, Raghukumar C: Pink line syndrome (PLS) in the scleractinian coral Porites lutea 252

Raymundo LJ, Maypa AP: Recovery of the Apo Island Marine Reserve, Philippines, 2 years after the El Niño bleaching event 260

Schaft D, Mebs D: Do sponges exchange secondary metabolites? 130 Schuhmacher H, Loch W, Loch K:

Post-bleaching growth reveals Diploastrea helianthus to be a coral methusalem 344

Shimoike K → Hayashibara T Sidle RC → Todd PA

Sidle RC → Todd PA

Thomas JD → Vargas-Angel B

Todd PA, Sidle RC, Chou LM: Plastic corals from Singapore: 2 407

Todd PA, Sidle RC, Chou LM: Plastic corals from Singapore: 1 391 Tsuchiya M, Nojima S: Occurrence of

Trapezia associated with Acropora: on the "wrong" host coral? 160

Vargas-Angel B, Thomas JD: Sexual reproduction of Acropora cervicornis in nearshore waters off Fort Lauderdale, Florida, USA 25

Vermeij MJA, Bak RPM: Corals on the move: rambling of Madracis pharensis polyps early after settlement 262

Wielgus J, Glassom D, Ben-Shaprut O, Chadwick-Furman NE: An aberrant growth form of Red Sea corals caused by polychaete infestations 315

Reports

Andréfouët S, Mumby PJ, McField M, Hu C, Muller-Karger E: Revisiting coral reef connectivity 43 Andréfouët S, Berkelmans R, Odriozola L,

Done T, Oliver J, Müller-Karger F: Choosing the appropriate spatial resolution for monitoring coral bleaching events using remote sensing 147

Anzai R → Watanabe T Bak RPM → van Duyl FC

Banks SA → Harriott VJ

Barnes DJ → Lough JM

Bastidas C, Benzie JAH, Fabricius KE: Genetic differentiation among populations of the brooding soft coral Clavularia koellikeri on the Great Barrier Reef 233

Benzie JAH → Bastidas C Berkelmans R → Andréfouët S

Bicchi E, Debenay J-P, Pagès J: Relationship between benthic foraminiferal

Contents of Volume 21

Call for submission of manuscripts

Andréfouët S, Riegl B: Special Issue of Coral Reefs, on Remote Sensing of Coral Reefs 433

Larcombe P → Perry C

Perry C, Larcombe P: Special Issue of Coral Reefs, on Marginal and Non Reef-Building Coral Environment 324

Riegl B → Andréfouët S

Special Issue on Environmental and Climatic Proxies in Reef Organisms 24

Discussions

Atkinson MJ → Hearn CJ Black KP → Symonds G

Falter JL → Hearn CJ

Hearn CJ, Atkinson MJ, Falter JL: Response to the comment by G. Symonds, K.P. Black, and I.R. Young on "A physical derivation of nutrient-uptake rates in coral reefs: effects of roughness and waves" 319

Symonds G, Black KP, Young IR: A comment on "A physical derivation of nutrientuptake rates in coral reefs: effects of roughness and waves" by C.J. Hearn, M.J. Atkinson, and J.L. Falter 317

Young IR → Symonds G

Editorial

Buddemeier RW, Fautin DG: Social behavior in a research society Fautin DG → Buddemeier RW

Erratum

Isobe M → Kraines SB Komiyama H → Kraines SB Kraines SB, Isobe M, Komiyama H: Seasonal variations in the exchange of water and water-borne particles at Majuro Atoll, the Republic of the Marshall Islands 12

Bohnsack JA → Miller MW Bourque AS - Miller MW Carriquiry JD → Reyes-Bonilla H Chiappone M, Swanson DW, Miller SL, Smith SG: Large-scale surveys on the Florida Reef Tract indicate poor recovery of the long-spined sea urchin Diadema antillarum 155

Crabbe MJC, Smith DJ: Comparison of two reef sites in the Wakatobi Marine National Park (SE Sulawesi, Indonesia) using digital image analysis

Cupul-Magaña AL → Reyes-Bonilla H DeMeo K → Wilcox TP

Edmunds PJ, Gates RD: Normalizing physiological data for scleractinian corals 193 Fautin DG → Randall JE

Gates RD → Edmunds PJ

Hill M → Wilcox TP

Knowlton N → Toller WW

Leyte-Morales GE → Reyes-Bonilla H Miller MW, Bourque AS, Bohnsack JA: An

analysis of the loss of acroporid corals at Looe Key, Florida, USA: 1983-2000

Miller SL → Chiappone M Randall JE, Fautin DG: Fishes other than anemonefishes that associate with sea

anemones 188 Reyes-Bonilla H, Carriquiry JD, Leyte-Morales GE, Cupul-Magaña AL: Effects of the El Niño-Southern Oscillation and the anti-El Niño event (1997-1999) on coral reefs of the western coast of México 368

Rowan R → Toller WW Smith DJ → Crabbe MJC

Smith SG → Chiappone M

Swanson DW → Chiappone M

Toller WW, Rowan R, Knowlton N: Genetic evidence for a protozoan (phylum Apicomplexa) associated with corals of the Montastraea annularis species com-

Wilcox TP, Hill M, DeMeo K: Observations on a new two-sponge symbiosis from the Florida Keys 198

Zeller DC: Tidal current orientation of Plectropomus leopardus (Serranidae)

Overview

Buddemeier RW, Fautin DG: Large-scale dynamics: the state of the science, the state of the reef, and the research issues 1

Fautin DG → Buddemeier RW

Reef sites

Aronson RB → Precht WF

Baird AH → Guest JR

Bak RPM → Vermeij MJA Ben-Shaprut O → Wielgus J

Bruckner AW → Precht WF

Bruckner RJ → Precht WF

Chadwick-Furman NE → Wielgus J

Chou LM → Todd PA

Chou LM → Todd PA Chou LM → Guest JR

Craig PC: Slow-moving waves of polyp retraction traverse Porites lobata

mounds 373 Glassom D → Wielgus J

Goh BPL → Guest JR

Guest JR, Baird AH, Goh BPL, Chou LM: Multispecific, synchronous coral

spawning in Singapore 422

Hayashibara T, Shimoike K: Cryptic species of Acropora digitifera 224

Lirman D, Manzello D, Maciá S: Back from the dead: the resilience of Siderastrea radians to severe stress 291

Lobban C: Ciliate-Symbiodinium symbiosis spotted on reefs 332

Loch K → Schuhmacher H Loch W → Schuhmacher H

Maciá S → Lirman D

Manzello D → Lirman D

Maypa AP → Raymundo LJ

Mebs D → Schaft D Nojima S → Tsuchiya M

Precht WF, Bruckner AW, Aronson RB, Bruckner RJ: Endangered acroporid corals of the Caribbean 41

Purcell SW: Intertidal reefs under extreme tidal flux in Buccaneer Archipelago, Western Australia 191

Raghukumar C -> Ravindran J Ravindran J, Raghukumar C: Pink line syndrome (PLS) in the scleractinian coral Porites lutea 252

Raymundo LJ, Maypa AP: Recovery of the Apo Island Marine Reserve, Philippines, 2 years after the El Niño bleaching event 260

Schaft D, Mebs D: Do sponges exchange secondary metabolites? 130 Schuhmacher H, Loch W, Loch K:

Post-bleaching growth reveals Diploastrea helianthus to be a coral methusalem 344

Shimoike K → Hayashibara T Sidle RC → Todd PA

Sidle RC → Todd PA

Thomas JD → Vargas-Angel B

Todd PA, Sidle RC, Chou LM: Plastic corals from Singapore: 2 407

Todd PA, Sidle RC, Chou LM: Plastic corals from Singapore: 1 391 Tsuchiya M, Nojima S: Occurrence of

Trapezia associated with Acropora: on the "wrong" host coral? 160

Vargas-Angel B, Thomas JD: Sexual reproduction of Acropora cervicornis in nearshore waters off Fort Lauderdale, Florida, USA 25

Vermeij MJA, Bak RPM: Corals on the move: rambling of Madracis pharensis polyps early after settlement 262

Wielgus J, Glassom D, Ben-Shaprut O, Chadwick-Furman NE: An aberrant growth form of Red Sea corals caused by polychaete infestations 315

Reports

Andréfouët S, Mumby PJ, McField M, Hu C, Muller-Karger E: Revisiting coral reef connectivity 43 Andréfouët S, Berkelmans R, Odriozola L,

Done T, Oliver J, Müller-Karger F: Choosing the appropriate spatial resolution for monitoring coral bleaching events using remote sensing 147

Anzai R → Watanabe T Bak RPM → van Duyl FC

Banks SA → Harriott VJ

Barnes DJ → Lough JM

Bastidas C, Benzie JAH, Fabricius KE: Genetic differentiation among populations of the brooding soft coral Clavularia koellikeri on the Great Barrier Reef 233

Benzie JAH → Bastidas C Berkelmans R → Andréfouët S

Bicchi E, Debenay J-P, Pagès J: Relationship between benthic foraminiferal

assemblages and environmental factors in atoll lagoons of the central Tuamotu Archipelago (French Polynesia) 275

Brown BE, Dunne RP, Goodson MS, Douglas AE: Experience shapes the susceptibility of a reef coral to bleaching 119

Côté IM → Whiteman EA Chadwick-Furman NE → Wielgus J

Chazottes V, Le Campion-Alsumard T,
Peyrot-Clausade M, Cuet P: The effects of
eutrophication-related alterations to coral
reef communities on agents and rates of
bioerosion (Reunion Island, Indian
Ocean) 375

Cheal AJ, Coleman G, Delean S, Miller I,
Osborne K, Sweatman H: Responses of
coral and fish assemblages to a severe but
short-lived tropical cyclone on the Great
Barrier Reef, Australia 131
Chisholm JRM — Minghelli-Roman A

Coleman G → Cheal AJ Cuet P → Chazottes V

Dawson JP: Biogeography of azooxanthellate corals in the Caribbean and surrounding areas 27

Debenay J-P \rightarrow Bicchi E Decherf G \rightarrow Tribollet A Delean S \rightarrow Cheal AJ Dennison WC \rightarrow Roelfsema CM

Done T → Andréfouët S Douglas AE → Brown BE

Dubinsky Z → Wielgus J Dunne RP → Brown BE Earle SA → Grigg RW

Edmunds PJ: Long-term dynamics of coral reefs in St. John, US Virgin Islands 357

Fabricius KE → Bastidas C Fujisawa T → Iwao K Gage JD → Waller RG

Gast GJ → van Duyl FC Gittings SR → Grigg RW Goodson MS → Brown BE

Grigg RW, Grossman EE, Earle SA, Gittings SR, Lott D, McDonough J: Drowned reefs and antecedent karst topography, Au'au Channel, S.E. Hawaiian Islands 73

Grossman EE → Grigg RW Harriott VJ, Banks SA: Latitudinal variation in coral communities in eastern Australia: a qualitative biophysical model of factors regulating coral reefs 83

Hatta M → Iwao K Hu C → Andréfouët S Hutchings PA → Tribollet A Ishioroshi H → Watanabe T

Iwao K, Fujisawa T, Hatta M: A cnidarian neuropeptide of the GLWamide family induces metamorphosis of reef-building corals in the genus Acropora 127

Jaubert JM — Minghelli-Roman A
Jordán-Dahlgren E: Gorgonian distribution
patterns in coral reef environments of the
Gulf of Mexico: evidence of sporadic
ecological connectivity? 205

Kayanne H → Umezawa Y Kloff S → van Duyl FC Koike I → Umezawa Y Kuta KG, Richardson LL: Ecological aspects of black band disease of corals: relationships between disease incidence and environmental factors 393 Le Campion-Alsumard T → Chazottes V

Lewis JB: Evidence from aerial photography of structural loss of coral reefs at Barbados, West Indies 49

Lott D → Grigg RW

Lough JM, Barnes DJ, McAllister FA: Luminescent lines in corals from the Great Barrier Reef provide spatial and temporal records of reefs affected by land runoff 333

Müller-Karger F → Andréfouët S Marchioretti M → Minghelli-Roman A McAllister FA → Lough JM McClanahan TR: A comparison of the ecology of shallow subtidal gastropods between western Indian Ocean and

Caribbean coral reefs 3 McDonough J → Grigg RW McField M → Andréfouët S Meekan MG → Ninio R

Miller I → Cheal AJ

Minghelli-Roman A, Chisholm JRM, Marchioretti M, Jaubert JM: Discrimination of coral reflectance spectra in the Red Sea 307

Miyajima $T \rightarrow Umezawa \ Y$ Muller-Karger $E \rightarrow Andréfouët \ S$ Mumby $PJ \rightarrow Andréfouët \ S$

Munday PL: Does habitat availability determine geographical-scale abundances of coral-dwelling fishes? 105

Neves EG, Pires DO: Sexual reproduction of Brazilian coral Mussismilia hispida (Verrill, 1902) 161

Ninio R, Meekan MG: Spatial patterns in benthic communities and the dynamics of a mosaic ecosystem on the Great Barrier Reef, Australia 95

Oba T → Watanabe T Odriozola L → Andréfouët S Oliver J → Andréfouët S Osborne K → Cheal AJ

Pagès J → Bicchi E
Pandolfi JM: Coral community dynamics at
multiple scales 13

Peyrot-Clausade M → Chazottes V Peyrot-Clausade M → Tribollet A

Phinn SR → Roelfsema CM Pires DO → Neves EG

Rasser MW, Riegl B: Holocene coral reef rubble and its binding agents 57 Reynolds JD → Whiteman EA

Richardson LL → Kuta KG Riegl B → Rasser MW

Roelfsema CM, Phinn SR, Dennison WC: Spatial distribution of benthic microalgae on coral reefs determined by remote sensing 264

sensing 264 Sakai K → Stimson I

Schmitt EF, Sluka RD, Sullivan-Sealey KM:
Evaluating the use of roving diver and
transect surveys to assess the coral reef
fish assemblage off southeastern
Hispaniola 216

Sembali $H \rightarrow$ Stimson J Shechter $M \rightarrow$ Wielgus J Sluka RD \rightarrow Schmitt EF Steinhoff $W \rightarrow$ van Duyl FC

Stimson J, Sakai K, Sembali H: Interspecific comparison of the symbiotic relationship in corals with high and low rates of bleaching-induced mortality 409

Sullivan-Sealey KM → Schmitt EF Sweatman H → Cheal AJ

Tribollet A, Decherf G, Hutchings PA, Peyrot-Clausade M: Large-scale spatial variability in bioerosion of experimental coral substrates on the Great Barrier Reef (Australia): importance of microborers 424

Tyler PA → Waller RG

Umezawa Y, Miyajima T, Kayanne H, Koike I: Significance of groundwater nitrogen discharge into coral reefs at Ishigaki Island, southwest of Japan 346

Island, southwest of Japan 346
van Duyl FC, Gast GJ, Steinhoff W, Kloff S,
Veldhuis MJW, Bak RPM: Factors
influencing the short-term variation in
phytoplankton composition and biomass
in coral reef waters 293

Veldhuis MJW → van Duyl FC

Waller RG, Tyler PA, Gage JD: Reproductive ecology of the deep-sea scleractinian coral Fungiacyathus marenzelleri (Vaughan, 1906) in the northeast Atlantic Ocean 325

Ocean 325
Watanabe T, Winter A, Oba T, Anzai R,
Ishioroshi H: Evaluation of the fidelity of
isotope records as an environmental
proxy in the coral Montastraea 169

Whiteman EA, Côté IM, Reynolds JD: Do cleaning stations affect the distribution of territorial reef fishes? 245

Wielgus J, Chadwick-Furman NE, Dubinsky Z, Shechter M, Zeitouni N: Dose-response modeling of recreationally important coral-reef attributes: a review and potential application to the economic valuation of damage 253

valuation of damage 253 Winter A → Watanabe T Zeitouni N → Wielgus J

Book reviews

Stanley, Jr. GD: Eberhard Gischler (ed): Mojsisovics on the Triassic Reefs of the Dolomites (1879). University of Miami Rosenstiel School of Marine and Atmospheric Science, Miami, Florida, 2001 229

Thomas JD: Book review of Committee on the Evaluation, Design, and Monitoring of Marine Reserves and Protected Areas in the United States; Ocean Studies Board; Commission on Geosciences, Environment, and Resources; National Research Council (2001) Marine Protected Areas: Tools for Sustaining Ocean Ecosystems 226